

Patent Claims

1. A pressure-medium operated spring-pressure brake comprising a brake housing which has an outside body and into which are integrated a disk-brake arrangement, an axially movable brake-piston arrangement and a pressure-spring system acting onto the brake-piston arrangement, characterized in that the outside body (6) is designed as a one-piece hollow body and extends over the entire axial length, with reference to a brake axis of rotation D of the spring-pressure brake (1).

2. The spring-pressure brake according to Claim 1, characterized in that the outside body (6) has at each opposite, open end area on the inside thereof an annular groove (13, 14) for reception of an axial retaining ring (11, 12), between which are arranged the disk-brake arrangement (4), the brake-piston arrangement (5), and the pressure-spring system (8).

3. The spring-pressure brake according to Claim 1, characterized in that the outside body (6) has radially outwardly projecting flange sections (16, 17) at both axial end areas, which flange sections have fastener receiving means (19) for connection to fastening means of adjoining component parts.

4. The spring-pressure brake according to Claim 1, characterized in that the outside body (6) is provided with at least one pressure-medium connection (10) for facilitating pressurization of the brake-piston arrangement (5).

5. The spring-pressure brake according to Claim 1, characterized in that the outside body (6) is designed as a metal casting.